



Take balancing from now on right into your own hands! - Why? Because Quality wins!

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Haimer Balancing Machines Tool Dynamic 2002

Perfect balance is child's play.

Tool Dynamic 2002 is a modular balancing system made by Haimer, specially designed for toolholders and grinding wheels. It makes balancing a child's play. It can be implemented fast, because of its easy handling. Its costs are low and its measuring accuracy can not be topped.

Why purchase a balancing machine?

After adding a cutting tool even to a fine-balanced tool holder, it is possible that the tool holder is beyond the balancing quality grade recommended by the machine tool companies

- A way to inspect often costly "Balanced" holders or cutting tool assemblies coming from tooling manufacturers who have charged extra for balancing
- Prevention of "Old" unbalanced tools from getting mixed up with new balanced tools, which might be dedicated to a specific High Speed machining center

It only takes one extremely unbalanced tool and a few seconds to damage a machine tool spindle!

- Without controlling the balance of each tool holder each time it is inserted into the machine tool, a reliable utilization in the machine tool can not be guaranteed
- **Eliminate the costs of machine tool spindle repairs**
- Avoid the down time of the machine tool while the spindle is repaired
- **Avoid vibration at the cutting edge = help eliminate chatter**
- **Extend** your high end cutting **tool life** by minimizing vibration
- Possible extension and guarantee of machine warranty

The advantages:

Easy, fast and economic – the perfect balancing system for toolholders, grinding wheels and rotors

- 3 versions offering a perfect solution for every need
- Flexible due to modular construction
- Balancing in 1 and 2 planes
- High precision unique adapter system with automatic clamping (like in the milling machine)
- Excellent relation between price and efficiency
- Easiest handling by PC with Windows menu guidance
- Unbalance correction by drilling, milling, balancing rings and weights
- Storage of tool data for 5000 tools
- Clear indication, if balancing tolerance has been reached
- Optical indexing aid: actual position of unbalance always visible on screen
- Optical laser marking of unbalance directly on the tool
- Input of balancing tolerance in balancing quality grades (G or Q)
- Force-measuring vertical balancing machine (hard bearing)
- Permanent calibration: One single durable calibration for all tools
- Highest measuring and repeating accuracy
- Menu guidance in various languages
- Easy service due to modular construction
- Index-measuring or with spindle-compensation
- Calibration function for testing equipment control according to ISO 9000 ff
- Error diagnosis
- Density function for materials of different specific weight
- Balancing of grinding wheels